

IN THE CLAIMS

1 (currently amended). A method for signaling of information in a frame based transmission system, whereat signaling information contains information necessary for the operation of the transmission system,

characterized by steps of

inserting a bit sequence of signaling information related to an individual frames into said individual frames, and

partitioning said bit sequence of signaling information and inserting said partitioned bit sequence of signaling information into frames other than said individual frames.

2 (previously amended). A method according to claim 1,

characterized in that

said inserted signaling information and said inserted partitioned signaling information are synchronized by using the given synchronization of the frame based transmission system.

3 (currently amended). A method for signaling of information in a frame based transmission system, whereat the signaling information contains information necessary for the operation of the transmission system,

characterized in that by steps of

inserting a bit sequence of signaling information related to an individual frames into said individual frames, and

partitioning said bit sequence of signaling information and inserting said partitioned bit sequence of signaling information into frames other than said individual frames, wherein said bit sequence of signaling information and said partitioned bit sequence of signaling information indicate a coding mode used for coding and decoding data in the transmission system.

4 (currently amended). A method according to claim 1,

characterized in that

1 said inserted bit sequence of signaling information related to an individual frames
2 indicates a coding mode used for coding and decoding data in the transmission system,
3 said partitioned bit sequence of signaling information inserted into different frames of the
4 uplink is a quality criterion for the transmission, and

5 said partitioned bit sequence of signaling information inserted into frames other
6 than said individual frames of the downlink indicateds a coding mode used for coding
7 and decoding data in the transmission system.

8 5 (previously amended). A method according to claim 1,
9 characterized in that
10 said inserted signaling information related to individual frames is channel coded
11 separately.

12 6 (currently amended). A method according to claim 1, characterized in, that said
13 partitioned bit sequence of signaling information inserted into frames other than said
14 individual frames is channel coded together with data contained in said other different
15 frames.

16 7 (previously amended). A method according to claim 1,
17 characterized in that
18 the transmission system is a radio network system.

19 8 (previously amended). A method according to claim 7,
20 characterized in that
21 said radio network system is a GSM system.

22 9 (currently amended). A frame based transmission system for signaling of
23 information, whereat the signaling information contains information necessary for the
24 operation of the transmission system, having

25 means for coding and decoding of data (10,11;20,21),
26 means for handling the coded data in frame format (14;24), and
27 means for transmitting and receiving the frames (15,16;25,26),

characterized by

means for inserting and evaluating a bit sequence of signaling information (12;22) into and from an individual frames to which said bit sequence relates related to said individual frames, and

means for partitioning said bit sequence of signaling information (12;22) and inserting and evaluating said partitioned bit sequence of information into and from frames other than said individual frames.

10 (previously amended). A system according to claim 9,

characterized in that

means for synchronizing (10,11,14;20,21,24) are used to synchronize said inserted signaling information and said inserted partitioned signaling information according to the given synchronization of the frame based transmission system.

11 (currently amended). A frame based transmission system for signaling of information, whereat the signaling information contains information necessary for the operation of the transmission system, having

means for coding and decoding of data (10, 11; 20, 21),

means for handling the coded data in frame format (14; 24), and

means for transmitting and receiving the frames (15, 16; 25, 26),

characterized by

means for inserting and evaluating a bit sequence of signaling information (12; 22) into and from an individual frames to which said bit sequence relates related to said individual frames, and

means for partitioning said bit sequence of signaling information (12; 22) and inserting and evaluating said partitioned bit sequence of information into and from frames other than said individual frames, wherein means for channel coding and decoding (13; 23) are used to channel code and decode the bit sequence of signaling information provided by said means for inserting and evaluating said bit sequence of signaling information (12; 22) into and from said individual frames.

12 (currently amended). A system according to claim 9,
characterized in that

the means for channel coding (11;21) are used to channel code and decode the
partitioned bit sequence of signaling information provided by said means for partitioning
said bit sequence of signaling information (12;22) and inserting and evaluating said
partitioned bit sequence of information into and from frames other than said individual
frames.

13 (previously amended). A system according to claim 9,
characterized in that
the transmission system is a radio network system.

14 (previously amended). A system according to claim 13,
characterized in that
said radio network system is a GSM system.

15 (currently amended). A system according to claim 9,
characterized in that
said bit sequence of signaling information provided by said means for inserting
and evaluating signaling information (12;22) into and from an individual frames to which
said bit sequence relates and said partitioned bit sequence of signaling information
provided by said means for partitioning said bit sequence of signaling information
(12;22) and inserting and evaluating said partitioned bit sequence of information into and
from frames other than said individual frames indicate coding modes used by the means
for coding and decoding (10,11;20,21).

16 (previously amended). A system according to claim 15,
characterized in that
said system is a fixed part (1) of said radio network system.

17 (currently amended). A system according to claim 9,
characterized in that

~~said bit sequence of signaling information provided by said means for inserting and evaluating said bit sequence of signaling information (12;22) into and from an individual frames to which said bit sequence relates indicate coding modes used by the means for coding and decoding (10,11;20,21), and said partitioned bit sequence of signaling information provided by said means for partitioning said bit sequence of signaling information (12;22) and inserting and evaluating said partitioned bit sequence of information into and from frames other than said individual frames indicate a quality criterion for transmission.~~

18 (previously amended). A system according to claim 17,
characterized in that
said system is a mobile part (2) of said radio network system.

19 (previously amended). A system according to claim 18,
characterized in that
said quality measurement for transmission is evaluated by said mobile part (2) of said radio network system, based on frames received from said fixed part of said radio network system.

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